

*Cited in Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Current Contents / Life Sciences; EMBASE/Excerpta Medica; Index Medicus; Informaticus; Pascal M*

## CONTENTS

## At the Cutting Edge

- The anti-inflammatory action of glucocorticoids is mediated by cell type specific regulation of apoptosis  
A. Amsterdam, R. Sasson (Israel) 1

## Research Papers

- Trout GH promoter analysis reveals a modular pattern of regulation consistent with the diversification of GH gene control and function in vertebrates  
F. Argenton, S. Vianello, S. Bernardini, R. Lopreiato, L. Colombo, M. Bortolussi (Italy) 11
- Evidence that MMP-2 and TIMP-2 are at play in the FSH-induced changes in Sertoli cells  
J. Longin, B. Le Magueresse-Battistoni (France) 25
- Bioactivity of PTH/PTHrP analogs lacking the 1-14 N-terminal domain  
A.E. Nelson, J.A. Barden, E.A. Martin, V. Tasevski, J.J. Hogan, R.S. Mason, B.G. Robinson (Australia) 37
- Loss of ACTH expression in cultured human corticotroph macroadenoma cells is consistent with loss of the POMC gene signal sequence  
D.A. Rees, P.J. Hepburn, A.M. McNicol, K. Francis, B. Jasani, M.D. Lewis, W.E. Farrell, B.M. Lewis, M.F. Scanlon, J. Ham (UK) 51
- Characterization of crab EcR and RXR homologs and expression during limb regeneration and oocyte maturation  
D.S. Durica, X. Wu, G. Anilkumar, P.M. Hopkins, A.C.-K. Chung (USA, India) 59
- Activation of MAP kinase by insulin and vanadate in adipocytes from young and old rats  
J.C. Molero, C. Pérez, C. Martínez, M. Villar, A. Andrés, Y. Fermin, J.M. Carrascosa (Spain) 77
- Species differences in GnRH activation of the LH $\beta$  promoter: role of Egr1 and Sp1  
G.B. Call, M.W. Wolfe (USA) 85
- Ghrelin gene expression is age-dependent and influenced by gender and the level of circulating IGF-I  
Y.L. Liu, S. Yakar, V. Otero-Corchon, M.J. Low, J.-L. Liu (Canada, USA) 97
- Identification and characterization of a type five-like somatostatin receptor in goldfish pituitary  
X. Lin, C. Nunn, D. Hoyer, J. Rivier, R.E. Peter (Canada, Switzerland, USA) 105
- Genomic organization and promoter analysis of mouse follistatin-related gene (FLRG)  
M. Nakatani, N. Yamakawa, T. Matsuzaki, S. Shimasaki, H. Sugino, K. Tsuchida (Japan, USA) 117
- GnRH signaling pathways regulate differentially the tilapia gonadotropin subunit genes  
G. Gur, D. Bonfil, H. Safarian, Z. Naor, Z. Yaron (Israel) 125
- O-Glycosylation of human sex hormone-binding globulin is essential for inhibition of estradiol-induced MCF-7 breast cancer cell proliferation  
M. Raineri, M.G. Catalano, G.L. Hammond, G.V. Avvakumov, R. Frairia, N. Fortunati (Italy, Canada) 135
- The promoter of the human sodium/iodide-symporter gene responds to retinoic acid  
C. Schmutzler, T.L. Schmitt, F. Glaser, U. Loos, J. Köhrle (Germany) 145
- Structural determinants in the second intracellular loop of the human follicle-stimulating hormone receptor are involved in G $_s$  protein activation  
C. Timossi, D. Maldonado, A. Vizcaino, B. Lindau-Shepard, P.M. Conn, A. Ulloa-Aguirre (Mexico, USA) 157

*Continued on inside back cover*

**CONTENTS**  
**direct**

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: [www.elsevier.nl/locate/contentsdirect](http://www.elsevier.nl/locate/contentsdirect)



0303-7207(20020328)189:1-2;1-m

08040

# MOLECULAR AND CELLULAR ENDOCRINOLOGY

**Publication information:** *Molecular and Cellular Endocrinology* (ISSN 0303-7207). For 2002, volumes 184–197 are scheduled for publication. Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (<http://www.elsevier.nl/locate/mce>). Further information is available on this journal and other Elsevier Science products through Elsevier's website: (<http://www.elsevier.nl>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

**Orders, claims and product enquiries:** please contact the Customer Support Department at the Regional Sales Office nearest you:

**New York:** Elsevier Science, P.O. Box 945, New York, NY 10159-0945, USA; Tel. (+1)212-633-3730 [Toll free number for North American customers: 1-888-4ES-INFO (437-4636)]; Fax (+1)212-633-3680; E-mail: [usinfo-f@elsevier.com](mailto:usinfo-f@elsevier.com)

**Amsterdam:** Elsevier Science, P.O. Box 211, 1000 AE Amsterdam, The Netherlands; Tel. (+31)20-4853757; Fax (+31)20-4853432; E-mail: [nlinfo-f@elsevier.nl](mailto:nlinfo-f@elsevier.nl)

**Tokyo:** Elsevier Science, 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; Tel. (+81)3-5561-5033; Fax (+81)3-5561-5047; E-mail: [info@elsevier.co.jp](mailto:info@elsevier.co.jp)

**Singapore:** Elsevier Science, No. 1 Temasek Avenue, #17-01 Millenia Tower, Singapore 039192, Tel. (+65)434-3727; Fax (+65)337-2230; E-mail: [asiainfo@elsevier.com.sg](mailto:asiainfo@elsevier.com.sg)

**Rio de Janeiro:** Elsevier Science, Rua Sete de Setembro 111/16 Andar, 20050-002 Centro, Rio de Janeiro - RJ, Brazil; Tel. (+55)21-509-5340; Fax (+55)21-507-1991; E-mail: [elsevier@campus.com.br](mailto:elsevier@campus.com.br) [Note (Latin America): for orders, claims and help desk information, please contact the Regional Sales Office in New York as listed above]

**Advertising information.** Advertising orders and enquiries can be sent to: **USA, Canada and South America:** Mr Tino de Carlo, The Advertising Department, Elsevier Science Inc., 655 Avenue of the Americas, New York, NY 10010-5107, USA; phone: (+1) (212) 633 3815; fax: (+1) (212) 633 3820; e-mail: [t.decarlo@elsevier.com](mailto:t.decarlo@elsevier.com). **Japan:** The Advertising Department, Elsevier Science K.K., 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5033; fax: (+81) (3) 5561 5047. **Europe and ROW:** Rachel Leveson-Gower, The Advertising Department, Elsevier Science Ltd., The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843565; fax: (+44) (1865) 843976; e-mail: [r.leveson-gower@elsevier.co.uk](mailto:r.leveson-gower@elsevier.co.uk)

**Authors in Japan please note:** Upon request, Elsevier Science K.K. will provide authors with a list of people who can check and improve the English of their paper (*before submission*). Please contact our Tokyo office: Elsevier Science K.K., 1-9-15 Higashi Azabu, Minato-ku, Tokyo 106, tel. (+81)-3-5561-5032, fax (+81)-3-5561-5045.

If you need information about the journal, you can find all details (including full "Notes to Authors") on the World Wide Web: access under <http://www.elsevier.nl/locate/mce> or <http://www.elsevier.com/locate/mce>

(Contents continued from back cover)

|  |     |
|--|-----|
| Vascular endothelial growth factor and signaling in the prostate: more than angiogenesis   |     |
| S. Chevalier, I. Defoy, J. Lacoste, L. Hamel, L. Guy, L.R. Bégin, A.G. Aprikian (Canada, France)   | 169 |
| Expression and regulation of nuclear receptor coactivators in glucocorticoid action  |     |
| I. Kurihara, H. Shibata, T. Suzuki, T. Ando, S. Kobayashi, M. Hayashi, I. Saito, T. Saruta (Japan)   | 181 |
| Characterization of promoter 1B in the human glucocorticoid receptor gene  |     |
| B.S. Nunez, W.V. Vedeckis (USA)  | 191 |
| <i>Bombyx mori</i> orphan receptor, BmHR78: cDNA cloning, testis abundant expression and putative dimerization partner for <i>Bombyx</i> ultraspiracle |     |
| M. Hirai, T. Shinoda, M. Kamimura, S. Tomita, T. Shiotsuki (Japan)   | 201 |
| Genes induced by growth hormone in a model of adipogenic differentiation   |     |
| C.A. Shang, B.J.L. Thompson, R. Teasdale, R.J. Brown, M.J. Waters (Australia)  | 213 |
| Notes for authors  | I   |

